



U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT				Attorney Docket No. 25436/1344		Serial No. 10/777,010		
				Applicant(s): Carstens				
				Filing Date: February 11, 2004		Group: 1633 2414		
U.S. PATENT DOCUMENTS								
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)	
FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document No.	Publication Date	Country	Class	Subclass	Translation	
							YES	NO
MB	1.	EP0835938A2	April 15, 1998	EP	C12N	15/61		
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)								
MB	2.	Makrides, "Strategies for Achieving High-Level Expression of Genes in <i>Escherichia coli</i> ", Microbiological Reviews (1996), V. 60, No. 3, Pages 512-538.						
MB	3.	Copy of the European Examination Report.						
EXAMINER /Michael Burkhart/					DATE CONSIDERED 01/03/2007			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.								
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USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket No. 25436/1344		Serial No. 10777, 01 D Not yet assigned	
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MB		6,270,988	August 7, 2001	Brinkmann, et al.	435	69.1	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation
						YES NO	
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MB		Kane, J.F., "Effects of rare codon clusters on high-level expression of heterologous proteins in <i>Escherichia coli</i> ", <i>Current Opinion in Biotechnology</i> 6:494-500 (1995);					
MB		Bonekamp, et al, "Codon-defined ribosomal pausing in <i>Escherichia coli</i> detected by using the pyer attenuator to probe the coupling between transcription and translation", <i>Nucleic Acid Res</i> 13:4113-23 (1985);					
MB		Deana, A., et al. "Silent Mutations in the <i>Escherichia coli</i> ompa leader peptide region strongly affect transcription and translation in vivo", <i>Nucleic Acids Res</i> 26:4778-4782 (1998);					
MB		Rosenberg, A.H., et al., "Effects of consecutive AGG codons on translation in <i>Escherichia coli</i> , demonstrated with a versatile codon test system" <i>J. Bacteriol</i> 175:716-22 (1993);					
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MB		Degryse, E., "Influence of the second and third codon on the expression of recombinant hirudin in <i>E. coli</i> " <i>FEBS Lett</i> , 269:244-6 (1990);					
MB		Spanjaard, R.A., et al., "Frameshift suppression at tandem AGA and AGG Codons by cloned tRNA genes: assigning a codon to argu tRNA and T4 tRNA (Arg)", <i>Nucleic Acids Res.</i> 18:5031-6 (1990);					
MB		Kane, J.F., et al, "Novel in frame two codon translationalhop during synthesis of bovine placental lacotogen in a recombinant strain of <i>Escherichia coli</i> ", <i>Nucleic Acids Res.</i> 20:6707-12 (1992);					
MB		Calderone, T.L., et al., "High-level misincorporation of lysine for arginine at AGA codons in a fusion protein expressed in <i>Escherichia coli</i> ", <i>J. Mol. Biol</i> 262: 407-12 (1996);					
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MB		Hua, et al, "Enhancement of Expression of human granulocyte-macrophage colony stimulating factor by argu gene product in escherichia coli" <i>Biochem Mol. Biol. Int.</i> 32:537-43 (1994);					
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